



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

January 22, 2008

Dr. Roger C. Westman
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 19103-2029
ATTN: Michael Ioff (3AT23)

Assistant Council
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745
ATTN: Steve Hepler

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 08-0036
ACHD Reference Number: 9814
Carbonate Plant
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 412-233-1015.

Sincerely,

Lisa A. Roudabush
Plant Manager
Clairton Works

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Air Protection Division (3AP12)

NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. **USS Reference Number:** 08-0036
ACHD Reference Number: 9814
2. **Date & Time of Breakdown:** Date: 01/21/08 Time: 2230 hours
3. **Company Name:** U.S. Steel Corporation - USS Clairton Works
4. **Specific Equipment Involved or Affected:** Carbonate Plant
5. **BAPC Permit Number (if applicable):**
6. **Location:** Clairton, PA
7. **Nature and cause of breakdown:** A frozen transmitter caused a malfunction in the carbonate solution circulation rate. As a result, the 40 grain limit was momentarily exceeded.
8. **Identification of Emissions:**
 - A. **Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)**
Momentary elevated H₂S in the down river gas line system, causing increased SO₂ at point of combustion.
 - B. **Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality).** SO₂ is and VOC could be an eye, nose, and throat irritant.
 - B. **Amount of each type emitted (or likely to be emitted).**
Light
9. **Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).**
Operations stabilized the carbonated unit and normal gas processing operations resumed.
10. **Facility back in operation -** Date: 01/21/08 Time: 2245 hours

Signature Coleen M. Davis Date 1-23-08
Coleen M. Davis
Senior Environmental Control Engineer Phone: 412-233-1015